



AMENDMENT RESPONSIVE TO OFFICE ACTION

Applicant amends the application as follows:

IN THE SPECIFICATION

Applicant amends the Specification as follows:

In page 12 line 14, change "Figure 1" to "Figure 2"

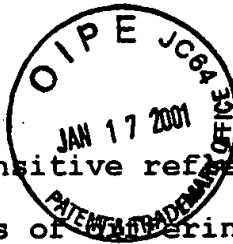
In page 15 line 10, change "Figure 1" to "Figure 2"

In page 15 line 15, change "Figure 2" to "Figure 1"

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On page 18 line ¹⁵~~13~~, after "13.", insert: "The input port 10 receives from the antenna 13 the polarized signal 12 and communicates the signal 12 through either of the waveguide sections 14 and 20 depending on which of the sections 14 or 20 is in alignment with the input port 10.".

On page 19 line 18, after "19.", insert: "The input port 10 receives from the antenna 13 the polarized signal 12 and communicates the signal 12 through either of the waveguide sections 14 and 40 depending on which of the sections 14 or 40 is in alignment with the input port 10. The waveguide section 40 has an extended straight portion 42 and a frequency selective reflective surface 44 that is a forty five degree reflective surface used to reflect signals 24 of one frequency, such as low frequency signals, to the port 22 and to pass signals 18 of another frequency, such as high frequency signals, to port 16. The probes 19 and 25 can then be used to select signals of differing polarization states and by



1 virtue of the frequency sensitive reflective surface 44,
2 concurrently select signals of interfering frequencies.".

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4 On page 22 line 2, after "states.", insert: " The input port
5 10a receives from the antenna 13 the polarized signal 12 and
6 communicates the signal 12 through either of the waveguide sections
7 14a and 40a depending on which of the sections 14a or 40a of
8 waveguide 39a is in alignment with the input port 10a. The bent
9 section 40a includes a forty five degree reflective surface 44a
10 that is used to reflect signals 24a of one frequency, such as low
11 frequency signals, to the port 22a and to pass signals 54a of
12 another frequency, such as high frequency signals, through the port
13 16a, through coupler 36a and through to port 52a as communication
14 signals 54a. The input port 10b of waveguide 39b receives signals
15 54a from the waveguide 39a and communicates the signal 54a through
16 either of the waveguide sections 14b and 40b depending on which of
17 the sections 14b or 40b of waveguide 39b is in alignment with the
18 input port 10b. The bent section 40b includes a forty five degree
19 reflective surface 44b that is used to reflect signals 24b of one
20 frequency, such as low frequency signals, to the port 22b and to
21 pass signals 54b of another frequency, such as high frequency
22 signals, through port 16b, through coupler 46b and through port 52b
23 to the probe 19.".

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